Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Claim 1 (currently amended): An intraluminal guidewire and distal protection device, comprising:

an elongate hypotube having a proximal end and a distal end and having a fluid lumen therethrough, the hypotube having an outer diameter dimensioned to enable a therapeutic catheter to be advanced onto and along the guidewire;

a distal protection device ~~coupled~~ secured to the hypotube proximate said distal end, the protection device being deployable to an expanded configuration and being contractable about the hypotube after being deployed;

a slave actuating member coupled to the distal protection device and slidably mounted proximate said distal end of the hypotube for longitudinal movement with respect to the hypotube; and

a master actuating member having a portion disposed within the proximal portion of the lumen for longitudinal movement within said hypotube, whereby when the lumen is filled with fluid said master actuating member is hydraulically coupled to said slave actuating member.

Claim 2 (previously presented): A device according to claim 1 wherein said slave actuating member is configured for movement within said lumen.

Claim 3 (previously presented): A device according to claim 1 wherein said lumen has a constant diameter.

Claim 4 (canceled)

Claim 5 (previously presented): A device according to claim 1 wherein said master actuating member comprises a first plunger extending into the proximal end of the lumen.

Claim 6 (previously presented): A device according to claim 5 wherein said slave actuating member comprises a second plunger configured for telescopic movement within the lumen of the hypotube, said second plunger extending beyond the hypotube.

Claim 7 (previously presented): A device according to claim 5 wherein said slave actuating member comprises a second tubular member configured for telescopic movement with respect to the hypotube, said second tubular member extending over said distal end of the hypotube.

Claim 8 (previously presented): A device according to claim 1 wherein said distal protection device comprises an expandable filter for capturing emboli.

Claim 9 (previously presented): A device according to claim 1 wherein said distal protection device comprises an expandable occluder.

Claim 10 (previously presented): A device according to claim 6 further comprising a sealing member mounted to said second plunger for providing a fluid seal between the hypotube and said second plunger.

Claim 11 (previously presented): A device according to claim 7 further comprising a sealing member mounted to said second tubular member for providing a fluid seal between the hypotube and said second tubular member.

Claim 12 (previously presented): A device according to claim 8 wherein said filter comprises a proximal region having a plurality of openings therein of sufficient size for emboli to pass through.

Claim 13 (previously presented): A device according to claim 12 wherein said filter comprises a distal region having a plurality of pores therein of a size sufficiently small to capture the emboli.

Claim 14 (previously presented): A device according to claim 13 wherein at least said distal region is a mesh.

Claim 15 (previously presented): A guidewire apparatus comprising:

an elongate hypotube having a proximal end and a distal end and having a fluid lumen therethrough, the hypotube having an outer diameter dimensioned to enable a therapeutic catheter to be advanced onto and along the guidewire;

a self-expanding distal protection device disposed at the distal region of the hypotube and adapted to self-expand from a low profile configuration;

a slave actuating member slidably mounted proximate said distal end for longitudinal movement with respect to the hypotube

a master actuating member having a portion disposed within the proximal portion of the lumen for longitudinal movement within said hypotube, said master actuating member being hydraulically coupled to said slave actuating member through the hypotube lumen;

the self-expanding distal protection device being coupled to the distal end of the hypotube and the slave actuating member so that actuation of the master actuating member will cause the distal protection device to be returned to its low profile configuration.

Claim 16 (previously presented): A device according to claim 15 wherein said slave actuating member is configured for movement within said lumen.

Claim 17 (previously presented): A device according to claim 15 wherein said lumen has a constant diameter.

Claim 18 (canceled)

Claim 19 (previously presented): A device according to claim 15 wherein said master actuating member comprises a first plunger.

Claim 20 (previously presented): A device according to claim 19 wherein said slave actuating member comprises a second plunger configured for telescopic movement within the hypotube, said second plunger extending beyond said distal end of the hypotube.

Claim 21 (previously presented): A device according to claim 19, wherein said slave actuating member comprises a second tubular member configured for telescopic movement with respect to the hypotube, said second tubular extending over said distal end of the hypotube.

Claim 22 (previously presented): A device according to claim 20 further comprising a sealing member fixedly attached to said second plunger for providing a fluid seal between said first tubular member and said second plunger.

Claim 23 (previously presented): A device according to claim 21 further comprising a sealing member fixedly attached to said second tubular member for providing a fluid seal between said first tubular member and said second tubular member.

Claim 24 (currently amended): An intraluminal guidewire and distal protection device, comprising:

an elongate hypotube having a proximal end and a distal end and having a fluid lumen ~~therethough~~ therethrough, the hypotube having an outer diameter dimensioned to enable a therapeutic catheter to be advanced onto and along the guidewire;

a distal protection device ~~coupled~~ secured to said hypotube proximate said distal end;

a master actuating member telescopically mounted within said hypotube proximate said proximal end and configured for longitudinal movement therein; and

a slave actuating member telescopically mounted within said lumen proximate said distal end and configured for longitudinal movement therein, said slave actuating member

being coupled to said distal protection device and hydraulically coupled to said master actuating member;

the distal protection device being self-expanding from a low profile and being coupled to the slave actuating member and hypotube so that operation of the master actuating member will cause the slave actuating member to move in a direction to collapse the distal protection device to its low profile.

Claim 25 (previously presented): A device according to claim 24 wherein said lumen has a constant diameter.

Claim 26 (canceled)

Claim 27 (previously presented): A device according to claim 24 wherein said master actuating member comprises a first plunger.

Claim 28 (previously presented): A device according to claim 27 wherein said slave actuating member comprises a second plunger extending beyond said distal end of said first tubular member.

Claim 29 (previously presented): A device according to claim 24 wherein said medical device comprises a filter for capturing emboli.

Claim 30 (previously presented): A device according to claim 24 wherein said medical device comprises an occluder.

Claim 31 (previously presented): A device according to claim 28 further comprising a sealing member fixedly attached to said second plunger for providing a fluid seal between said first tubular member and said second plunger.

Claim 32 (previously presented): A device according to claim 29 wherein said filter comprises a proximal region having a plurality of openings therein of sufficient size for emboli to pass through.

Claim 33 (previously presented): A device according to claim 32 wherein said filter comprises a distal region having a plurality of pores therein of a size sufficiently small to capture the emboli.

Claim 34 (previously presented): A device according to claim 33 wherein at least said distal region comprises a mesh.